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STANDARD FORM NO. 64

PNW Forest and Range Experiment Station
P.O. Box 4059 Portland 8, Oregon

Office Memorandum • UNITED STATES GOVERNMENT

4500

TO : The Files

DATE: August 31, 1960

FROM : W. H. Klein

SUBJECT: Forest Insects Research

In response to a request by Dwight Slawson, Western Insecticide Co., for information pertaining to a large powder post beetle, Stephanopachys pacificus Csy., the following information was extracted from the literature and records we have on hand.

The earliest references to S. pacificus are by Casey (1) and later by Hanson (4). Leng's Catalog (5) lists S. pacificus as having been found in So. Calif., Idaho and Colorado. Fisher (2) in his revision of North American Bostrichidae regards S. pacificus Csy. as a synonym for S. substriatus (Payk.), a verifaxed copy of which is attached. In this article Fisher describes the insect, its distribution and principal hosts. Craighead (3) in a brief paragraph states: "S. substriatus (Payk.) is a very common species, probably cosmopolitan, working beneath the bark of pine and other coniferous woods. Occasionally it infests oak tan bark, causing considerable damage".

Records on file in the Hopkins Index reveal that S. pacificus and S. substriatus were collected in the Pacific States at various times and in different localities. This collection record is as follows:

Species	Host	Locality	Coll. date Month	Year
S. pacificus Csy.	Ponderosa pine	Ashland, Ore.	July	1914
		" "		1915
		" "	March	1915
		" "	May	1919
		Susanville, Cal.	-	-
		Keno, Ore.	Aug.	1930
		Prineville, Ore.	"	1935
		Bly, Ore.	"	1941
	Douglas-fir	Ashland, Ore.	May	1914
		" "	July	1916
		Mist, Ore.	March	1935
	In flight	LaGrande, Wash.	July	1938
		" "	April	1939
		" "	June	1941
S. substriatus (Payk.)	Ponderosa pine	Ashland, Ore.	Feb.	1919
		Tollman Gulch	Feb.	1919

The only other record of this insect in our files is a letter dated 7 Aug., 1957 from D. D. Fairbrother, an attorney for American Forest Products Corp., to John Whiteside requesting information on S. substriatus. Whiteside referred him to Eaton of the California Station.

many other records RLP

Specific information on the biology of this beetle is lacking. Reference to the article by Hanson may give this information.

References

1. Casey, T. L. 1898. Studies in the Ptinidae, Cioidae, and Sphindidae of America. Jour. of N. Y. Ento. Soc. VI: 61-93.

2. Fisher, W. S. 1950. A revision of the North American species of beetles belonging to the family Bostrichidae. U. S. Dept. Agr. Misc. Pub. No.698. P 45-46.

3. Craighead. 1950. Insect enemies of eastern forests. U. S. Dept. of Agr. Misc. Pub. No.657. P 227.

4. Hanson, A. J. 1934. Stephanopachys pacificus in Washington. Ins. Pest Surv. Bull. 14:286.

5. Leng, C. W. 1920. Catalogue of the coleoptera of America, north of Mexico. John D. Jerman Jr. Mount Vernon, N. Y. P 245.

WHK